

Other Ordnance and Accessories Manufacturing: 2002

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2002 Economic Census

Manufacturing

Industry Series



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U.S. Department of Commerce
Economics and Statistics Administration
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CONTENTS

Introduction to the Economic Census	v
Manufacturing	ix
Tables	
1. Historical Statistics for the Industry: 2002 and Earlier Years ...	1
2. Industry Statistics for Selected States: 2002	2
3. Detailed Statistics by Industry: 2002	3
4. Industry Statistics by Employment Size: 2002.....	4
5. Industry Statistics by Primary Product Class Specialization: 2002	5
6a. Products Statistics: 2002 and 1997	6
6b. Product Class Shipments for Selected States: 2002 and 1997 .	7
7. Materials Consumed by Kind: 2002 and 1997.....	8
Appendixes	
A. Explanation of Terms	A-1
B. NAICS Codes, Titles, and Descriptions	B-1
C. Methodology.....	C-1
D. Geographic Notes	--
E. Metropolitan and Micropolitan Statistical Areas	--
F. Comparability of Product Classes and Product Codes: 2002 to 1997.....	F-1

-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
332995, Other ordnance and accessories manufacturing	2002.. 57	62	5 114	287 837	2 034	4 070	81 878	807 588	433 304	1 214 833	22 557
	2001.. N	N	4 269	226 045	1 732	3 007	61 021	616 416	397 567	987 317	19 736
	2000.. N	N	7 114	362 510	2 657	5 227	129 730	879 806	370 063	1 249 673	15 946
	1999.. N	N	8 362	383 873	2 927	6 110	145 552	937 871	402 015	1 360 896	19 411
	1998.. N	N	8 722	377 751	3 664	6 489	165 332	1 078 062	371 623	1 459 584	19 142
	1997.. 65	68	8 545	362 201	3 465	6 423	155 572	1 021 358	354 734	1 362 401	18 035

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
332995, Other ordnance and accessories manufacturing												
United States.....	-	62	24	5 114	287 837	2 034	4 070	81 878	807 588	433 304	1 214 833	22 557
California	7	7	2	131	5 283	56	127	2 557	11 498	6 044	17 525	1 309
Ohio	-	4	1	568	33 574	246	550	11 733	51 835	3 185	55 020	52
Texas	3	8	2	122	3 913	83	166	2 347	12 098	4 224	16 491	580

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1-10 to 19 percent; 2-20 to 29 percent; 3-30 to 39 percent; 4-40 to 49 percent; 5-50 to 59 percent; 6-60 to 69 percent; 7-70 to 79 percent; 8-80 to 89 percent; 9-90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
332995, Other ordnance and accessories manufacturing	
Companies ¹	number.. 57
All establishments ²	number.. 62
Establishments with 1 to 19 employees	number.. 38
Establishments with 20 to 99 employees	number.. 14
Establishments with 100 employees or more	number.. 10
All employees ³	number.. 5 114
Total compensation	\$1,000.. 350 149
Annual payroll	\$1,000.. 287 837
Total fringe benefits	\$1,000.. 62 312
Production workers, average for year	number.. 2 034
Production workers on March 12	number.. 2 034
Production workers on May 12	number.. 2 032
Production workers on August 12	number.. 2 026
Production workers on November 12	number.. 2 043
Production worker hours	1,000.. 4 070
Production worker wages	\$1,000.. 81 878
Total cost of materials	\$1,000.. 433 304
Materials, parts, containers, packaging, etc., used	\$1,000.. 403 976
Resales	\$1,000.. 5 206
Purchased fuels	\$1,000.. 3 987
Purchased electricity	\$1,000.. 8 272
Contract work	\$1,000.. 11 863
Quantity of electricity purchased for heat and power	1,000 kWh.. 145 723
Quantity of electricity generated less sold for heat and power	1,000 kWh.. -
Total value of shipments	\$1,000.. 1 214 833
Primary products value of shipments	\$1,000.. 1 040 030
Secondary products value of shipments	\$1,000.. 105 708
Total miscellaneous receipts	\$1,000.. 69 095
Value of resales	\$1,000.. D
Contract receipts	\$1,000.. D
Other miscellaneous receipts	\$1,000.. D
Primary products specialization ratio	percent.. 91
Value of primary products shipments made in all industries	\$1,000.. 1 281 655
Value of primary products shipments made in this industry	\$1,000.. 1 040 030
Value of primary products shipments made in other industries	\$1,000.. 241 625
Coverage ratio	percent.. 81
Value added	\$1,000.. 807 588
Total inventories, beginning of year	\$1,000.. 199 738
Finished goods inventories	\$1,000.. 8 911
Work-in-process inventories	\$1,000.. 178 108
Materials and supplies inventories	\$1,000.. 12 719
Total inventories, end of year	\$1,000.. 225 874
Finished goods inventories	\$1,000.. 6 318
Work-in-process inventories	\$1,000.. 206 760
Materials and supplies inventories	\$1,000.. 12 796
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. 328 282
Total capital expenditures (new and used)	\$1,000.. 22 557
Buildings and other structures (new and used)	\$1,000.. 3 915
Machinery and equipment (new and used)	\$1,000.. 18 642
Automobiles, trucks, etc., for highway use	\$1,000.. 806
Computers and peripheral data processing equipment	\$1,000.. 4 136
All other expenditures for machinery and equipment	\$1,000.. 13 700
Total retirements	\$1,000.. 9 667
Gross value of depreciable assets at end of year	\$1,000.. 341 172
Depreciation charges during year	\$1,000.. 20 955
Total rental payments	\$1,000.. 9 143
Buildings and other structures	\$1,000.. 6 138
Machinery and equipment	\$1,000.. 3 005
Total other expenses ⁴	\$1,000.. 64 648
Response coverage ratio ⁵	percent.. 75
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 6 085
Communications services ⁴	\$1,000.. 2 424
Legal services ⁴	\$1,000.. 837
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 279
Advertising and promotional services ⁴	\$1,000.. D
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 4 733
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 481
Management consulting and administrative services ⁴	\$1,000.. D
Taxes and license fees ⁴	\$1,000.. 1 130
All other expenses ⁴	\$1,000.. 43 716

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
332995, Other ordnance and accessories manufacturing											
All establishments	—	62	5 114	287 837	2 034	4 070	81 878	807 588	433 304	1 214 833	22 557
Establishments with—											
1 to 4 employees	9	21	47	1 779	22	40	894	3 327	2 253	5 581	250
5 to 9 employees	2	7	46	2 113	22	41	1 117	8 241	3 674	11 951	174
10 to 19 employees	5	10	131	6 536	56	121	3 286	13 552	6 677	20 195	634
20 to 49 employees	5	10	293	14 112	162	322	7 322	29 463	17 153	46 284	2 490
50 to 99 employees	—	4	c	D	D	D	D	D	D	D	D
100 to 249 employees	3	4	655	31 904	420	814	14 595	111 122	68 080	197 704	6 180
250 to 499 employees	—	4	1 295	63 229	796	1 488	29 708	234 769	200 760	392 356	6 823
500 to 999 employees	—	1	f	D	D	D	D	D	D	D	—
1,000 to 2,499 employees	—	1	g	D	D	D	D	D	D	D	D
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ⁴	9	24	81	3 613	34	68	1 791	6 890	4 654	11 545	551

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
332995	Other ordnance and accessories manufacturing	62	5 114	287 837	2 034	4 070	81 878	807 588	433 304	1 214 833	22 557
3329951	Guns, howitzers, mortars, turrets, parts, and other related equipment (more than 30 mm (1.18 in.))	11	3 092	184 645	947	1 896	41 206	520 871	312 152	807 794	14 899
3329952	All other miscellaneous ordnance and accessories, including rocket projectors, line throwing guns, flame throwers, torpedo tubes, etc. (including parts)	20	1 309	63 568	763	1 496	25 408	223 214	111 077	333 688	6 817

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. Products Statistics: 2002 and 1997

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
332995	Other ordnance and accessories manufacturing	2002.. N 1997.. N	X X	X X	1 281 655 1 149 128
3329951	Guns, howitzers, mortars, turrets, parts, and other related equipment (more than 30 mm (1.18 in.))	2002.. N 1997.. N	X X	X X	739 881 705 785
33299511	Guns, howitzers, mortars, turrets, parts, and other related equipment (more than 30 mm (1.18 in.))	2002.. N 1997.. N	X X	X X	717 869 705 785
3329951110	Guns, howitzers, turrets (except aircraft turrets & turret drives), mounts, carriages (except self-propelled), mortars, and assembled and recoilless rifles (more than 30 mm (1.18 in.))	2002.. 8 1997.. N	X X	X X	652 222 N
3329951116	Parts and other related equipment for heavy weapons (more than 30 mm (1.18 in.))	2002.. 9 1997.. 15	X X	X X	65 647 D
3329951Y	Guns, howitzers, mortars, turrets, parts, and other related equipment (more than 30 mm (1.18 in.)), nsk	2002.. N 1997.. N	X X	X X	22 012 -
3329951YV	Guns, howitzers, mortars, turrets, parts, and other related equipment (more than 30 mm (1.18 in.)), nsk	2002.. N 1997.. N	X X	X X	22 012 -
3329952	All other miscellaneous ordnance and accessories, including rocket projectors, line throwing guns, flame throwers, torpedo tubes, etc. (including parts)	2002.. N 1997.. N	X X	X X	519 435 421 646
33299521	All other miscellaneous ordnance and accessories, including rocket projectors, line throwing guns, flame throwers, torpedo tubes, etc. (including parts)	2002.. N 1997.. N	X X	X X	519 435 421 646
3329952100	All other miscellaneous ordnance and accessories, including rocket projectors, line throwing guns, flame throwers, torpedo tubes, etc. (including parts)	2002.. 28 1997.. 34	X X	X X	519 435 421 646
332995W	Other ordnance and accessories manufacturing, nsk, total	2002.. N 1997.. N	X X	X X	22 339 21 697
332995WY	Other ordnance and accessories manufacturing, nsk, total	2002.. N 1997.. N	X X	X X	22 339 21 697
332995WYWW	Other ordnance and accessories manufacturing, nsk, for nonadministrative-record establishments	2002.. N 1997.. N	X X	X X	10 794 -
332995WYWY	Other ordnance and accessories manufacturing, nsk, for administrative-record establishments	2002.. N 1997.. N	X X	X X	11 545 21 697

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. Product Class Shipments for Selected States: 2002 and 1997

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
3329951	Guns, howitzers, mortars, turrets, parts, and other related equipment (more than 30 mm (1.18 in.))	
	United States 2002 1997 ..	739 881 705 785
3329952	All other miscellaneous ordnance and accessories, including rocket projectors, line throwing guns, flame throwers, torpedo tubes, etc. (including parts)	
	United States 2002 1997 ..	519 435 421 646
	California 2002 1997 ..	30 489 23 993
	Texas 2002 1997 ..	114 170 N

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
332995	Other ordnance and accessories manufacturing		
0090001	Total materials	X	403 976
	.....2002..	X	323 817
	.....1997..	X	8 301
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	7 459
	.....2002..	X	111 887
	.....1997..	X	90 881
33151001	Iron and steel castings (rough and semifinished)	X	D
	.....2002..	X	4 475
	.....1997..	X	D
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	1 332
	.....2002..	X	D
	.....1997..	X	1 431
33152003	Other nonferrous metalcastings, rough and semifinished (excluding aluminum and aluminum-base alloy)	X	D
	.....2002..	X	1 431
	.....1997..	X	
33211101	Iron and steel forgings	X	D
	.....2002..	X	D
	.....1997..	X	4 930
33120001	Steel shapes and forms (excluding castings, forgings, and fabricated metal products)	X	5 048
	.....2002..	X	
	.....1997..	X	
33142111	Copper and copper-base alloy shapes and forms (excluding castings, forgings, and fabricated metal products)	X	D
	.....2002..	X	D
	.....1997..	X	
33100038	Aluminum and aluminum-base alloy shapes and forms (excluding castings, forgings, and fabricated metal products)	X	D
	.....2002..	X	N
	.....1997..	X	
33100082	Other nonferrous metal shapes and forms (excluding aluminum and aluminum-base alloy and copper and copper-base alloy castings, forgings, and fabricated metal products)	X	11 239
	.....2002..	X	N
	.....1997..	X	
32592011	Smokeless powder	X	D
	.....2002..	X	D
	.....1997..	X	
32500065	Other chemicals and allied products	X	D
	.....2002..	X	839
	.....1997..	X	
32100019	Rough and dressed lumber	X	D
	.....2002..	X	D
	.....1997..	X	
32221001	Paperboard containers, boxes, and corrugated paperboard	X	1 073
	.....2002..	X	514
	.....1997..	X	
32610011	Fabricated plastics products (excluding gaskets)	X	2 248
	.....2002..	X	2 726
	.....1997..	X	D
33351501	Machine tool accessories, including cutting tools	X	2 053
	.....2002..	X	D
	.....1997..	X	D
00190055	Electronic, hydraulic, and mechanical subassemblies	X	D
	.....2002..	X	D
	.....1997..	X	
00970099	All other materials and components, parts, containers, and supplies	X	45 582
	.....2002..	X	50 031
	.....1997..	X	9 438
00971000	Materials, ingredients, containers, and supplies, nsk	X	5 551
	.....2002..	X	
	.....1997..	X	

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.